

Worksheet 11-11:

8. Observational

- Prospective (from researchers' perspective)
- Subjects: Disabled women age 65 and above
- Parameter of interest: Vitamin B_{12}
- Conclusion: If B_{12} deficiency, twice as likely to suffer severe depression

9. Observational

- Retrospective (just looked at data instead of tracking)
- Subjects: 200 men and women
- Parameter of interest: Blood pressure
- Conclusion: Those with higher blood pressure did worse on memory and reaction tests.

12. Experiment

- Factor and levels: Medicine, herbal compound and sugar
- # Treatments: 2
- Response variable: Patient's condition (measured on scale of 0 to 5)
- Design: Completely randomized
- Blinding: Single (you could argue for double)
- Conclusion: No improvement shown by herbal supplement